

Nutrient Management Plan Checklist
[4-2006] Based on Nutrient Management Standard 590 dated 7-01

County	Date Plan Submitted	For Crop Years
Producer/Owner [Name, Address, Phone]	Farm # Tract #s	Crop Acres
Technical Service Provider [Address, Phone, Email, Organization, Registration Number]		Conservation staff planner [Name, Field Office]

NMP Components The following components are <u>required</u> in the Plan on a field by field basis. The NMP will be completed during the first year of any incentive or cost-share program.	Y	N	Comments
General Information			
1) Photos & maps indicate field boundaries and field ID numbers.			
2) Soil map is included, with field boundaries shown.			
Environmental Assessment			
1) Farm-A-Syst assessment has been completed on farmstead. [Optional]			
2) Soil loss calculations (water and wind as appropriate) are included for all fields.			
3) Environmentally sensitive areas are identified and have been discussed with producer.			
4) Offsite Risk Pre-Screening has been completed on all fields.			
5) Offsite Risk Index (ORI) completed on fields, as required, from the Pre-Screening and/or if soil test phosphorus is >200 ppm.			
Nutrient Assessment & Planned Applications			
1) Organic nutrient application rates for nitrogen (N) and phosphorous (P) are based on Standard 590 guidance.			
2) The plan includes all phases of nutrient application, including the rate, form, method and timing.			

NMP Components	Y	N	Comments
3) Previous, current and planned crops, crop rotations and tillage systems are indicated.			
4) Nutrient applications are based on crop rotation and realistic yield goals.			
5) Realistic yield goals established using either the actual five year yield average plus 10%, or Field Office Technical Guide (FOTG) estimates plus 20%.			
6) Soil test reports from an approved lab are included. The lab is identified.			
7) All fields have been tested within the last four years.			
8) Soil sample distribution is based on field conditions. (Average sample size includes 1 core per 1 acre and composite sample not over 20 acres.)			
9) Soil test field IDs correspond to NMP field ID, or a key is provided.			
10) A complete nutrient budget (balance sheet) for nitrogen, phosphorous, and potassium (N-P-K) is included, including credits for nutrients from organic matter, legumes, manure and commercial fertilizer.			
11) Commercial fertilizer needs are indicated. (Based on Tri-State Fertilizer Guide recommendations \pm 10%)			
Management Assessment			
1) Mitigation techniques, including agronomic management activities and conservation practices, have been identified and are being implemented to address environmentally sensitive areas.			
Additional Items			
1) The record keeping system uses Purdue ID-198/PPP-18 or equivalent.			
2) Record keeping uses FSA tract and field numbers, or cross-references other field identifiers as needed.			
3) A Table of Contents is included in the plan and in the record-keeping documents.			
4) A Plan Implementation Schedule for each year is included in the plan.			

NMP Components	Y	N	Comments
Additional NMP-for-AFOs Components <u>Required</u> unless stated otherwise			
1) The type and quantity of animal waste to be used.			
2) Calculations documenting the minimum acres needed to spread waste, based on both N & P.			
3) Waste analysis, in accordance with the following: <i>a) Year 1 - existing analysis or book value.</i> <i>b) All subsequent years - the most current, available analysis, not to exceed 3 years old.</i> <i>c) In the case of a daily spreading program, the material shall be sampled and analyzed at least once each year.</i>			
4) The nutrient content of wastes from <u>new facilities</u> shall be based on acceptable book values until an analysis is available. Book values are listed in the Agricultural Waste Management Field Handbook (AWMFH). As a minimum, the waste shall be tested for total N, NH ₄ -N, P ₂ O ₅ , and K ₂ O. If applicable, NO ₃ -N may also be needed.			
5) The plan is in compliance with all applicable Federal, Indiana, and local laws and regulations.			
6) Water quality and environmentally sensitive areas are protected, in accordance with the following: <i>a) Waste shall not be applied on soils that are frequently flooded during the period when flooding is expected.</i> <i>b) The application rate (in/hr) of liquid materials shall not exceed the soil infiltration rate, and shall be adjusted to minimize ponding and avoid runoff. The total application shall not exceed the field capacity of the soil and shall be adjusted to minimize loss to subsurface tile.</i> <i>c) Wastes shall not be applied to frozen, snow-covered, or saturated soil when the risk for runoff exists from edge of field or via surface tile inlets.</i>			
7) Setbacks for manure application near public water supply wells and surface intake structures, surface waters of the state, sinkholes, wells, drainage inlets including water and sediment control basins, and property lines and public roads, shall be established and maintained according to FOTG 633 Table A, unless more restrictive by state or local requirements.			

NMP Components	Y	N	Comments
8) Record keeping is required in the plan, to include the following: <i>a) Quantity of manure and other agricultural organic nutrients applied, and their nutrient content.</i> <i>b) Soil test results for all fields where organic nutrients will be applied.</i> <i>c) Crops grown and yields (both yield goals and measured yield.)</i> <i>d) Dates, amounts, methods and locations of application, and the dates and amounts of materials removed from the system due to feeding, energy production, or export from the operation.</i>			
9) Application equipment will be calibrated to provide for even application of manure at intended rates within $\pm 10\%$.			
For NRCS Quality Assurance purposes, the plan must be available for review at all times. This checklist, and a completed Plan Implementation Schedule, must be submitted annually to verify that incentive or Technical Service Provider payment may take place.			
<p>This Plan was developed by a certified nutrient management specialist and meets minimum standards and specifications for Standard 590, Nutrient Management. If animal waste is used, this plan also meets minimum standards and specifications for Standard 633, Waste Utilization.</p> <p>Certified Nutrient Management Specialist _____ Date _____ <i>Signature</i></p> <p>Producer/Operator _____ Date _____ <i>Signature</i></p>			

Annual Implementation Checklist

This checklist must be completed in years one, two and three, following the development of a Nutrient Management Plan. Explain any deviations from the approved plan under "Comments", below

Required Item	Y	N	Comments
1) The Nutrient Management Plan is being fully implemented.			
2) Records include soil test results for all fields where organic nutrients will be applied.			
3) Commercial fertilizer needs are based on Tri-State Fertilizer Guide recommendations +/- 10%.			
4) Organic nutrient application rates for nitrogen and phosphorous are based on Standard 590 guidance.			
5) The record keeping system uses Purdue ID-198/PPP-18 or equivalent.			
6) A complete nutrient budget (balance sheet) has been prepared for N, P, & K, including credits from organic matter, legumes in the rotation, manure, and commercial fertilizer.			
7) Current and planned crops, measured yields, and yield goals are included in the records.			
8) Animal waste analysis, if required, has been carried out within the last three years. In the case of a daily spreading program, animal waste has been sampled within the last year.			
9) Waste has not been applied to frequently flooded soils during the period when flooding is expected, or to frozen, snow-covered, or saturated soil when there is a risk of runoff beyond the edge of the field or via surface inlets.			
10) The application rate for wastes does not exceed the soil infiltration rate.			
11) Setbacks for manure application are maintained as planned.			
12) Application equipment has been calibrated for even application at intended rates.			

YEAR ONE: The final nutrient application for the 1st crop year was applied according to this plan and meets minimum standards and specifications for Standard 590, Nutrient Management. If animal waste is used, this plan also meets minimum standards and specifications for Standard 633, Waste Utilization.

Certified Nutrient

Management Specialist _____ *Signature* _____ **Date** _____

Producer/Operator _____ *Signature* _____ **Date** _____

YEAR TWO: This Plan is being implemented and meets minimum standards and specifications for Standard 590, Nutrient Management. If animal waste is used, this plan also meets minimum standards and specifications for Standard 633, Waste Utilization.

Certified Nutrient

Management Specialist _____ *Signature* _____ **Date** _____

Producer/Operator _____ *Signature* _____ **Date** _____

YEAR THREE: This Plan is being implemented and meets minimum standards and specifications for Standard 590, Nutrient Management. If animal waste is used, this plan also meets minimum standards and specifications for Standard 633, Waste Utilization.

Certified Nutrient

Management Specialist _____ *Signature* _____ **Date** _____

Producer/Operator _____ *Signature* _____ **Date** _____